

Date: Sat, 10 Jul 93 08:38:28 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #840  
To: Info-Hams

Info-Hams Digest                      Sat, 10 Jul 93                      Volume 93 : Issue    840

Today's Topics:

                                    220 MHz EME  
                    Digital FM through TV Cable, How?  
                                    Headphones  
                                    ICOM IC-24AT Questions  
                                    Questions on HTs  
                                    some HTX404 info from packet  
                    Yaesu FT-530 or Alinco DJ-580T? (3 msgs)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

-----

Date: Sat, 10 Jul 1993 11:09:09 +0000  
From: pipex!uknet!warwick!qmw-dcs!qmw!demon!g4k1x.demon.co.uk!g4k1x@uunet.uu.net  
Subject: 220 MHz EME  
To: info-hams@ucsd.edu

Hello All

Can someone post me information about the current 220 MHz bandplan with  
respect to EME ? The only information that I have is from before the bottom  
2 MHz were lost.

73's

Jonathan

--

Internet: g4klx@g4klx.demon.co.uk	The three branches of Government:
Ampnet: g4klx@g4klx.ampr.org	Money, Television and Bullshit.
BBS: G4KLX @ GB7HMZ.GBR.EU	P.J.O'Rourke

-----  
Date: Fri, 9 Jul 1993 23:08:40 EST  
From: anomaly.sbs.com!kd1nr!news@uunet.uu.net  
Subject: Digital FM through TV Cable, How?  
To: info-hams@ucsd.edu

anderjh@ducvax.auburn.edu writes:

> There is a service in Birmingham, AL called DMX Digital Music Express which  
> is delivered through the Cable for Cable TV. It has about 40 stations  
> which can be tuned in on an FM Stereo. Are they really sending digital  
> signals through cable and how are they doing this?  
> Curious Jamie ANDERJH@DUCVAX.AUBURN.EDU

You have to remember that there's alot of bandwidth over the cable and they use a variety of modulation methods. You can alter the phase of the signal, and several other tricks (including digital compression of the signal) and send the info down the line. If I remember right, a cd samples at 44kHz and we'll say there's at least 5kHz of spacing between channels for a total of 49kHz per. Take 40 x 49kHz = 1.96MHz without any compression. That's how they do it.

Tony

-----	
Tony Pelliccio kd1nr/ae	"Usenet is like a herd of performing elephants
*!*!*!*!*!*!*!*!*!*!	with diarrhea -- massive, difficult to
system@garlic.sbs.com	redirect, awe-inspiring, entertaining, and a
-----	source of mind-boggling amounts of excrement
	when you least expect it." --spaf (1992)

-----  
Date: Sat, 10 Jul 1993 06:58:38 -0400  
From: usc!math.ohio-state.edu!magnus.acs.ohio-state.edu!cis.ohio-state.edu!  
news.sei.cmu.edu!bb3.andrew.cmu.edu!andrew.cmu.edu!dd3u+@network.UCSD.EDU  
Subject: Headphones  
To: info-hams@ucsd.edu

Excerpts from netnews.rec.radio.amateur.misc: 9-Jul-93 Headphones by Don

Coco@terapin.com

> broadcaster. I just went out and bought the latest in State Of  
> The Art Digital Headphones. They are called The Pro 25's and  
> These are light weight with a volume control on the wire so you  
> no longer have to get up and go to the stereo to crank them up  
> when your favorite song comes on. These use Titanium, which is a  
> type of metal, for the sound. They are on sale at \$19.95 till

I had an interesting experiance with my Pro 25s. They sounded great when I bought them, but after a while, they picked up some sort of rattle that coninsided with the bass. I took them appart, and found a hair (!) sitting on one of those state-of-the-art titanium membranes. It looked like it could have been one of mine... But I don't really know. I bought mine for \$19.95 about two years ago when they were on sale... I woul guess that they go on sale quite frequently.

KD6ACL  
David Donley  
dd3u+@andrew.cmu.edu

-----  
Date: Sat, 10 Jul 1993 15:16:57 GMT  
From: swrinde!gatech!usenet.ins.cwru.edu!neoucom.edu!wtm@network.UCSD.EDU  
Subject: ICOM IC-24AT Questions  
To: info-hams@ucsd.edu

I have the Icom car cord for my IC-24. It has just a choke and a capacitor. I once used a direct cord and got complaints that my TX was noisy, but had no RX problems. I've used the Icom cord in the same car and had no problems.

I leave the battery pack attached while using the radio in the car.

If Rat Shack has a filtered 12 volt cord it probably would be sufficient. Be sure to watch the plug polarity carefully.

I have a collection of HTs. I still feel the 24 is one of the better units on RX sensitivity and freedom from front end overload. The simultaneous dual band RX on other HTs is nice, but none I've seen equal the performance of IC-24.

--  
Bill Mayhew            NEOUCOM Computer Services Department  
Rootstown, OH 44272-9995 USA            phone: 216-325-2511  
wtm@uhura.neoucom.edu            amateur radio 146.58: N8WED/AA

-----  
Date: 9 Jul 93 20:58:25 GMT  
From: gatech!howland.reston.ans.net!spool.mu.edu!uwm.edu!post.its.mcw.edu!zazen!  
uwec.edu!tig!whitemp@RUTGERS.EDU  
Subject: Questions on HTs  
To: info-hams@ucsd.edu

Hi-

Has anyone had experience with Radio Shack's 2m Handie Talkie?

I'm a bit new to all of this (I had my Novice 10ish years ago,  
dropped out, and am begining again as a No Code tech... yep, I'm  
going to be going for code sometime RSN...)

Anyhow, if there are other HTs that are noteworthy (and Cheapish...  
I'm looking for something around \$350,) I'd appreciate any info.

Thanks and 73's

-mw-

-----  
Date: Fri, 9 Jul 1993 23:24:02 EST  
From: anomaly.sbs.com!kd1nr!news@uunet.uu.net  
Subject: some HTX404 info from packet  
To: info-hams@ucsd.edu

jangus@skyld.tele.com (Jeffrey D. Angus) writes:

>  
> In article <wa2iseC9u1Eq.I3M@netcom.com> wa2ise@netcom.com writes:  
> > 404 I had the chance to try the unit . It look the same as the htx 202 th  
> e  
> > same settings. memory channel .scan. sensitivity 12db sinad .02 uv  
> 20 db  
> > nq .035 uv adjacent channel is 25 khz at 60 db itermod 60 db .. use with  
> > standard repeaters . Audio is great plus u can use packet with no problem  
> .  
> > it still have abt 1 1/2 watt with an 7v batt 12v abt 6w max.  
> > I like to thank Bob....N1EUY for the report  
> > thx again...de andy  
> > -----  
> ----- > Note: I have no connection to Radio Shack or the Chunese Communist  
> Party WA2ISE >  
>  
>

> This is a joke right?  
>  
> Is it just me or is the literacy level in amateur really this low?  
>  
> I mean for all the finger pointing about the CBers and the no-code  
> techs, you would think that as a group we could do better than this.

I don't think so. I did my first VE session last night and let me tell you, it was a total eye-opener. Luckily myself and the other VE team members went out for drinks afterwards. :)

```
-----  
Tony Pelliccio kd1nr/ae      "Usenet is like a herd of performing elephants  
*!*!*!*!*!*!*!*!*!*!*      with diarrhea -- massive, difficult to  
system@garlic.sbs.com       redirect, awe-inspiring, entertaining, and a  
-----                       source of mind-boggling amounts of excrement  
                               when you least expect it." --spaf (1992)
```

```
-----  
Date: 10 Jul 1993 13:23:18 GMT  
From: news!sun1.clark.net!andy@uunet.uu.net  
Subject: Yaesu FT-530 or Alinco DJ-580T?  
To: info-hams@ucsd.edu
```

John Herndon (jherndo@eis.calstate.edu) wrote:

: I've come down to these two HTs. After tons of reading and burning the  
: midnight oil, I'd like to know of any experiences with either of these  
: radios.. good.. bad.. anything at all..

: Yaesu FT-530 <or> Alinco DJ-580T  
: ~~~~~  
: Thanks a billion..

:  
: [> John W. Herndon - INTERNET: jherndo@eis.calstate.edu <]  
: ~~~~~

Depends on your listening needs. The Yaesu is probably a better quality rig, but there is no expanded receive coverage. If you just want a dual bander for the ham bands, and can afford the extra dollars, the Yaesu is the way to go.

The Alinco, however, with the simple clipping of a red wire under the battery plate, will receive from 108MHz to around 140 MHz (AM or FM), plus extended 440 MHz coverage, plus the 800 MHz- 999 MHz frequencies.

I was faced with the same choice as you only a month ago. I chose the Alinco. 2-meters and 440 chatting doesn't thrill me that much any more, so I wanted a more complete "entertainment center" I am very very satisfied with the Alinco. But be prepared for the possibility of returning the rig for a replacement or for repairs. Quality control is not great. Might take you a second trip to the candy store to get one that works properly.

-----  
Date: 10 Jul 93 14:20:10 GMT  
From: swrinde!gatech!prism!ccoprfrfm@network.UCSD.EDU  
Subject: Yaesu FT-530 or Alinco DJ-580T?  
To: info-hams@ucsd.edu

In article <21mfs6\$mhj@sun1.clark.net> andy@clark.net (Andrew M. Cohn) writes:

>  
>Depends on your listening needs. The Yaesu is probably a better quality  
>rig, but there is no expanded receive coverage. If you just want a dual  
>bander for the ham bands, and can afford the extra dollars, the Yaesu  
>is the way to go.

>  
>The Alinco, however, with the simple clipping of a red wire under the  
>battery plate, will receive from 108MHz to around 140 MHz (AM or FM),  
>plus extended 440 MHz coverage, plus the 800 MHz- 999 MHz frequencies.

Not quite correct. I own a Yaesu FT-530. There is a mod (it's been posted here several times in fact) for it that will allow it to receive the frequencies that you listed above, as well as a few others. (300-500 Mhz comes to mind immediately.)

>very very satisfied with the Alinco. But be prepared for the possibility  
>of returning the rig for a replacement or for repairs. Quality control  
>is not great. Might take you a second trip to the candy store to get  
>one that works properly.

The possibility of problems with the Alinco was a big part of why I bought the Yaesu. I played with both radios for quite a while before I bought one. I just liked the way the Yaesu felt and the way the controls were layed out on it better than I liked the Alinco. The fact that the Yaesu was less expensive didn't hurt either. :-)

--  
Monte Freeman -- Operations Department / Information Technology  
Georgia Institute of Technology, Atlanta Georgia, 30332  
Internet: ccoprfrfm@prism.gatech.edu  
Bitnet: ccoprfrfm@gitvm1.bitnet

-----  
Date: Sat, 10 Jul 1993 14:14:40 GMT  
From: usc!howland.reston.ans.net!darwin.sura.net!news-feed-2.peachnet.edu!concert!  
uvaarpa!murdoch!livia.acs.Virginia.EDU!jeg7e@network.UCSD.EDU  
Subject: Yaesu FT-530 or Alinco DJ-580T?  
To: info-hams@ucsd.edu

In article <21mfs6\$mhj@sun1.clark.net> andy@clark.net (Andrew M. Cohn) writes:  
>

>Depends on your listening needs. The Yaesu is probably a better quality  
>rig, but there is no expanded receive coverage. If you just want a dual  
>bander for the ham bands, and can afford the extra dollars, the Yaesu  
>is the way to go.

You are completely wrong. I purchased two FT530's this year, one with/for  
a friend, and the other just last week for myself. A very simple solder  
jumper controls extended coverage receive and transmit. Once modified  
the radio VHF and UHF coverage is considerably extended, and 800-950  
reception is enabled as well.

The only drawback is that 12.5Kc step is the only option in the 800-950  
band. :( Bummer

I also have an Icom IC-W2A which is a wonderful radio (probably better  
as a radio than the Yaesu) and is available for the same price as the  
FT530. I got the 530 for it's great remote control LCD display speaker/  
microphone and power saving features.

--

-----  
\\ \ / Jon Gefaell, Computer Systems Engineer | Amateur Radio - KD4CQY  
\\ \ / Information Technology and Communications | -Will chmod for food-  
\\ / The University of Virginia, Charlottesville | Hacker@Virginia.EDU  
The opinions expressed herein are not intended to be construed as those of UVA

-----  
Date: Fri, 9 Jul 1993 22:53:28 EST  
From: anomaly.sbs.com!kd1nr!news@uunet.uu.net  
To: info-hams@ucsd.edu

References <1993Jul6.234343.10361@bongo.tele.com>,  
<bell.742145554@news.promis.com>, <21hlkc\$8pe@sbctri.sbc.com>  
Subject : Re: Recharging ALKALINE batteries

Ken Gianino <gianino@sbctri.sbc.com> writes:

> Re: Recharging ALKALINE batteries  
>  
> About the same time there was a lead-acid wet cell battery on the market  
> that replaced a standard 9V battery. It had 4 compartments and looked  
> just like a tiny car battery with a clip on it. They were cheap (\$2),  
> could handle high currents, had a reasonable capacity and were simple to  
> charge. One problem -when they leaked, they destroyed whatever they were  
> in.  
> Ken WBOQNA

Ken,

And that brought about the lead-acid gel-cells that are used in lots of applications, such as my Sony SPP-75 cordless phone. :)

Tony

```
-----  
Tony Pelliccio kd1nr/ae      "Usenet is like a herd of performing elephants  
*!#!*!#!*!#!*!#!*!#!*!#  with diarrhea -- massive, difficult to  
system@garlic.sbs.com       redirect, awe-inspiring, entertaining, and a  
----- source of mind-boggling amounts of excrement  
                                when you least expect it." --spaf (1992)
```

-----  
Date: Fri, 9 Jul 1993 22:59:12 EST  
From: anomaly.sbs.com!kd1nr!news@uunet.uu.net  
To: info-hams@ucsd.edu

References <1993Jul2.211606.5867@mnemosyne.cs.du.edu>, <134476@netnews.upenn.edu>,  
<1993Jul7.124518.1@ttd.teradyne.com>  
Subject : Re: Closed Autopatches

rice@ttd.teradyne.com writes:

> In article <134476@netnews.upenn.edu>, yee@mipg.upenn.edu (Conway Yee) writes  
> :  
>> [this is my second attempt at this post. I may have accidentally rplied inst  
> ead  
>> of following up]  
>>  
>>>Have I just violated your privacy? [in posting the citation of my callsign]  
>>  
>> The club can not provide a justifiable reason for wanting the license.  
>> Therefore it is a violation of my privacy.  
>  
> It's really quite simple. It's their repeater, their autopatch. They are



> legally responsible for transmissions made over that equipment. They feel  
> that it's their right to ensure that the person wishing to use their  
> equipment for third party traffic is 'in fact' the holder of the license  
> to the callsign he intends to use for that traffic by whatever means they  
> see fit. In this case, they have decided that a copy of the license meets  
> their requirements. If you feel that this is an imposition, that's your  
> privilege. It's also their right to deny you the privilege to use 'their'  
> equipment if you decline to meet with their requirements for such use.  
>  
> All other arguments are moot.

Here here! I agree with you. Why is it that people think just because a  
repeater is there, they can use it? And what's the big deal, he'd be  
joining the club so there's nothing to his argument about invasion of  
privacy and most clubs I've come across at least want your name,  
address, and callsign.

Tony

```
-----  
Tony Pelliccio kd1nr/ae      "Usenet is like a herd of performing elephants  
*!*!*!*!*!*!*!*!*!*      with diarrhea -- massive, difficult to  
system@garlic.sbs.com      redirect, awe-inspiring, entertaining, and a  
-----      source of mind-boggling amounts of excrement  
                        when you least expect it." --spaf (1992)
```

-----  
Date: Fri, 9 Jul 1993 23:06:29 EST  
From: anomaly.sbs.com!kd1nr!news@uunet.uu.net  
To: info-hams@ucsd.edu

References <17397@news.duke.edu>, <1993Jul7.202814.1351@gallant.apple.com>,  
<17438@news.duke.edu>  
Subject : Re: "Necessary features" and the FT-5200 (was Re: Repeater coordination,  
complaints?)

jbs@ee.egr.duke.edu (Joe B. Simpson) writes:

> In article <1993Jul7.202814.1351@gallant.apple.com> COLLIER@gallant.apple.com  
> (Will Collier) writes:  
>>  
>>> {Joe sez FT-5100 will only do 5 watts out on Xband rpt}  
>>  
>>I beg to differ. I personally own a FT-5100, as well as three other hams  
>>in my area, and all of our units do a full 50 watts on cross band  
>>operation. I think you got some mis-information or possibly there is a  
>>version of the 5100 out that has now been altered to not provide the full

>>power out (I seem to doubt it though). Our units are from 7 months to 2  
>>months old.  
>  
> There are several local hams who have 5100s (may be older than yours), and  
> they all said their radios would only do crossband repeat on low power.  
> I'll mention your experience to them, and maybe they can get their radios  
> modified to work at full power.  
>  
> -joe KD4LLV

Perhaps if you'd said that in the beginning, this whole thing might not  
have started. My 5100 WILL do 50W in x-band but they recommend against  
it, same as they do with the 5200.

```
-----  
Tony Pelliccio kd1nr/ae      "Usenet is like a herd of performing elephants  
*!***!***!***!***!***!*** with diarrhea -- massive, difficult to  
system@garlic.sbs.com      redirect, awe-inspiring, entertaining, and a  
----- source of mind-boggling amounts of excrement  
                           when you least expect it." --spaf (1992)
```

-----  
Date: Fri, 9 Jul 1993 23:17:43 EST  
From: anomaly.sbs.com!kd1nr!news@uunet.uu.net  
To: info-hams@ucsd.edu

References <219q5l\$he7@usenet.INS.CWRU.Edu>, <C9v3EC.1K@ms.uky.edu>,  
<21i3ngINN2gq@topaz.bds.com>  
Subject : Re: REQUESTING CUSTOM CALLSIGNS ???

ron@topaz.bds.com (Ron Natalie) writes:

> While hams seemed to have had the same feelings about their call signs,  
> no one seemed to be offended when a dead friend's call was reissued  
> or their call was changed because they moved.  
>  
> People used to request calls of dead friends. Many club calls were obtained  
> in the honor of a dead member. The reason the FCC went away from reissuing  
> callsigns is that they got too lazy to figure out what was available to  
> reissue.  
>  
> -Ron

Which just shows us how archaic the FCC's computers and attitudes are.  
:)

Tony

```
-----  
Tony Pelliccio kd1nr/ae      "Usenet is like a herd of performing elephants  
*!*!*!*!*!*!*!*!*!*!*      with diarrhea -- massive, difficult to  
system@garlic.sbs.com        redirect, awe-inspiring, entertaining, and a  
-----                        source of mind-boggling amounts of excrement  
                                when you least expect it."  --spaf (1992)
```

-----  
Date: Fri, 9 Jul 1993 23:21:57 EST  
From: anomaly.sbs.com!kd1nr!news@uunet.uu.net  
To: info-hams@ucsd.edu

References <93187.185942U42157@uicvm.uic.edu>,  
<930707.180452.5j2.rusnews.w165w@garlic.sbs.com>, <21ijmi\$sra@lester.appstate.edu>  
Subject : Re: callbook

HOFFMANMK@CONRAD.APPSTATE.EDU (Marvin Hoffman) writes:

```
> In <930707.180452.5j2.rusnews.w165w@garlic.sbs.com> system@garlic.sbs.com  
> writes:  
>> Actually you have several options:  
>>  
>> 1) Buffalo Callsign Server  
>>   telnet to callsign.cs.buffalo.edu 2000  
>>   at the >> prompt you type CALL and the callsign you want to lookup.  
>>  
>> 2) NJ Inst. of Tech  
>>   telnet to ham.njit.edu (not sure on the port number)  
>>   Same format as Buffalo  
>>  
>> 3) For some real fun, Anomaly!  
>>   telnet 155.212.2.2 (anomaly.sbs.com for the clueless)  
>>   login as HAMRADIO, you'll be prompted for your callsign. You then  
>>   have access to the Anomaly callsign server and several hundred meg of  
>>   ham-related files that are FTP'able....  
>  
> Can someone confirm that #3 has a valid address?  
> I have tried to telnet tonight to both the numerical address and the  
> anomaly.sbs.com and my system says that neither can be found on internet.  
>  
> Some help, please, I would like to look at the several hundred meg of ham-  
> related files.
```

Hmmmm... must be a problem with a nameserver somewhere. If you really,



Tony Pelliccio kd1nr/ae  
\*!~\*!~\*!~\*!~\*!~\*!~\*!  
system@garlic.sbs.com

"Usenet is like a herd of performing elephants  
with diarrhea -- massive, difficult to  
redirect, awe-inspiring, entertaining, and a  
source of mind-boggling amounts of excrement  
when you least expect it." --spaf (1992)

Date: Fri, 9 Jul 1993 23:15:25 EST  
From: anomaly.sbs.com!kd1nr!news@uunet.uu.net  
To: info-hams@ucsd.edu

References <xo\$@byu.edu>, <C9o6Bp.1nF@cmptrc.lonestar.org>,  
<C9u1w1.45w@olwejo.UUCP>sbs.com  
Subject : Re: Poster of the frequency spectrum

beyonet!bob@vu-vlsi.vill.edu writes:

> In <C9o6Bp.1nF@cmptrc.lonestar.org>, carter@cmptrc.lonestar.org writes:  
>>In article <xo\$@byu.edu> richard@alaska.et.byu.edu (Richard B. Christensen)  
> writes:  
>>>Anyone seen a poster describing the different band allocations?  
>>  
>>Unfortunately, I have never really seen a  
>>good poster for this. Best I've come across are little cross-references  
>>for 3-30 MHz.  
>  
> Omega Technologies used(?) to put out a full-color poster on the U.S. RF  
> Allocations. It's about 4'x3', in color, listing users, and  
> primary/secondary allocation usage. It covers the RF spectrum of 3kHz to  
> 300GHz. I think that the chart said it was similar to a U.S. Department  
> of Commerce poster.

Acutally, at last night's VE session we had these 11x14 band charts. If  
the person that was looking for one wants I can see if NN1U still has  
any leftover.

Tony Pelliccio kd1nr/ae  
\*!~\*!~\*!~\*!~\*!~\*!~\*!  
system@garlic.sbs.com

"Usenet is like a herd of performing elephants  
with diarrhea -- massive, difficult to  
redirect, awe-inspiring, entertaining, and a  
source of mind-boggling amounts of excrement  
when you least expect it." --spaf (1992)

End of Info-Hams Digest V93 #840  
\*\*\*\*\*